ABSTRACT OF THE DISCLOSURE

The suction muffler of a reciprocating compressor according to the disclosed invention comprises a flow controller for controlling the flow of refrigerant so that a steady amount of refrigerant flows into the suction port of the suction muffler. The flow controller comprises a fixing member having a main refrigerant path, a plurality of refrigerant sub-paths formed to vertically penetrate the fixing member along and adjacent to a circumference of the main refrigerant path at predetermined intervals, and a space with a diameter larger than an imaginary circle made by connecting the plurality of refrigerant sub-paths, formed under the main refrigerant path and the plurality of refrigerant sub-paths. A movable member has a first through hole formed to correspond to the main refrigerant path, and a plurality of second through holes formed at predetermined intervals on the imaginary circumference having a diameter larger than an imaginary circle made by connecting the plurality of refrigerant sub-paths. This movable member is disposed to move between a first location for closing the plurality of refrigerant sub-paths and a second location for opening

the plurality of refrigerant sub-paths. A resilient member resiliently urges the movable member towards the second location. Accordingly, a steady amount of refrigerant flows in and out of the suction muffler and therefore noises can be reduced and unstable load in the valve system can be prevented.

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